



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



23138CE4

Spherical Roller Bearings

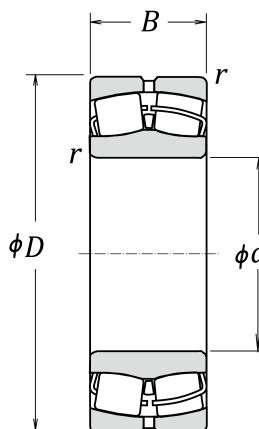
Boundary Dimensions

d	190	mm	Bore diameter
D	320	mm	Outside diameter
B	104	mm	Width
r (min.)	3	mm	Chamfer dimension

Basic Load Ratings

Cr	1480000	N	Basic dynamic load rating
C0r	2020000	N	Basic static load rating

Speeds

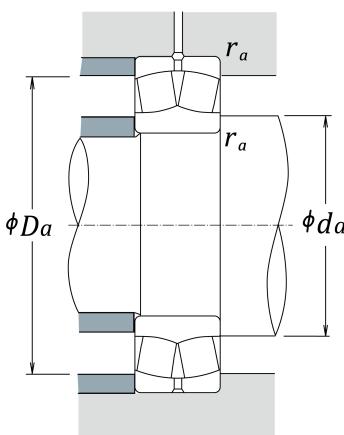


Thermal Speed Rating (Oil-bath)	1600	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	2200	min-1	Properly designed and controlled forced-circulation oil lubrication

Abutment and Fillet Dimensions

da (min.)	204	mm	Diameter of shaft abutment
da (max.)	219	mm	Diameter of shaft abutment
Da (min.)	276	mm	Diameter of housing abutment
Da (max.)	306	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet

Calculation factors



e	0.31	Constant
Y2	3.3	Axial load Factors
Y3	2.2	Axial load Factors
Y0	2.2	Axial load Factors

Mass

Mass approx.	34.5	kg	Mass approx.
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